

particular, the Examiner has noted that sequences set forth in the specification at page 19, line 19 (GLDTSL), at page 19, line 26 (G-(I/L)-(D/E)-(T/S)-(P/S)-L), and at page 20, line 8 (QIDSPL), are not set forth *per se* in the Sequence Listing of the application as filed. Reference to the sequence "LDTS" is also found at page 20, line 32 of the specification, although the sequence is not set forth *per se* in the Sequence Listing of the application as filed. Accordingly, the Substitute Sequence Listing transmitted herewith in paper and computer readable form has been amended to include these sequences as SEQ ID NOS:14, 15, 16 and 17, respectively, and the specification is being amended to include the required sequence identifiers.

In addition, sequences referred to at pages 7, 21 and 58 of the specification (i.e., PPDTTS(Q/P)E) are neither set forth *per se* in the Sequence Listing nor accompanied by a sequence identifier. The sequences in question are a sequence motif which corresponds to parts of properly presented sequences. In such case, the Manual of Patent Examining Procedure provides that:

Sequence identifiers can also be used to discuss and/or claim parts or fragments of a properly presented sequence. For example, language such as "residues 14 to 243 of SEQ ID NO:23" is permissible and the fragment need not be separately presented in the "Sequence Listing".

M.P.E.P. § 2422.03. Pursuant thereto, the specification is being amended to refer to the locations of the referenced sequence motif in existing portions of the Sequence Listing, and to include the requisite sequence identifiers. Support for the amendments relating to this motif can be found in Figures 1, 2 and 3 as filed, corresponding to SEQ ID NOS:1-2, SEQ ID NOS:3-4, and SEQ ID NOS:5-6, respectively.

A typographical error at page 71 is being corrected by amendment. Lastly, the Substitute Sequence Listing in paper and computer readable form has also been amended to include current

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information in the fields for the Applicant, Correspondence Address (zip code), Current Application Data, Reference/Docket Number, Telephone and Telefax. It is believed that the Substitute Sequence Listing and amendments include no new matter.

Respectfully submitted,

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